

# Work Order ID 120559

**\*120559\***

Page 1

Wednesday, June 04, 2014 3:08:31 PM

Item ID: D3215-043 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Harness Assembly  
 Start Date: 6/04/14 Start Qty: 4.00 **\*4\*** Cust Item ID:  
 Required Date: 6/04/14 Req'd Qty: 4.00 **\*4\*** Customer:  
 Reference:

Approvals: Process Plan: MLJ Date: 14-06-09 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_  
 Run Start **\*NR1\***  
 Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D3215	Rev D

100 PURCHASING 0.00  
**\*100\***  
 Purchasing Memo 0.00  
 Purchasing Issue P/O: 24619 to Tulmar Safety Systems  
 D3215-043 as per Dwg D3215  
 Ship to Tulmar  
 Certificate of Conformity is required  
CL 14/06/116 4

110 Receive & Inspect for Damage & Mat'l Certs 0.00  
**\*110\***  
 Packaging Memo 0.00  
 Packaging Ensure certificate of conformity is attached  
P 14/6/20 (4)

120 QC6- Inspect dimensions to drawing 0.00  
**\*120\***  
 QC Memo 0.00  
 Quality Control  
 DAS 27 9-89  
14/6/20  
4

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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**Work Order ID 120559****\*120559\***

Page 2

Wednesday, June 04, 2014 3:08:31 PM

Item ID: D3215-043 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: Harness Assembly  
Start Date: 6/04/14 Start Qty: 4.00 **\*4\*** Cust Item ID:  
Required Date: 6/04/14 Req'd Qty: 4.00 **\*4\*** Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>8-464</u>	0.00				<u>4X</u>		<u>14-6-20</u>	DAS 26 9-89
<b>*130*</b>									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
<b>*140*</b>									
QC	Memo	0.00							
Quality Control									

MLS 14-06-23

14-6-23

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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# Picklist Print

Wednesday, June 04, 2014 3:08:31 PM

Page 1

Work Order ID: 120559

**\*120559\***

Parent Item: D3215-043

**\*D3215-043\***

Parent Item Name: Harness Assembly

Start Date: 6/04/14

Required Date: 6/04/14

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP A03.10.28New IssueKJ/RF  
IPP B 07.06.12 ecn 940 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3215-043P		Purchased	No			110	Each	0.0000	1	4			
<b>*D3215-043P*</b>									<b>**</b>				
Harness Assembly													
D3215-3		Manufactured	No			100	Each	12.0000	2	8			
<b>*D3215-3*</b>									<b>**</b>				
Webbing Tidy													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST033		12							
				108673		12							
D3216-1		Manufactured	No			100	Each	32.0000	2	8			
<b>*D3216-1*</b>									<b>**</b>				
Fitting													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST033		32							
				108650		5							
				108674		27							
D3216-3		Manufactured	No			100	Each	4.0000	1	4			
<b>*D3216-3*</b>									<b>**</b>				
Fitting													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST033		4							
				101887		1							
				95074		3							

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

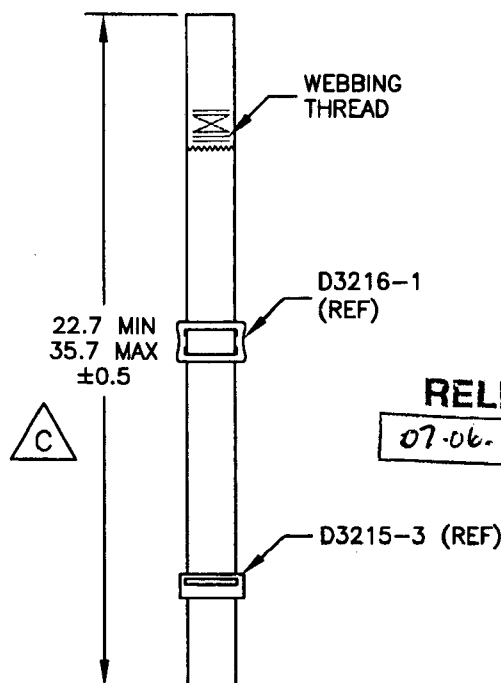
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
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Offset/Setup									
Process									
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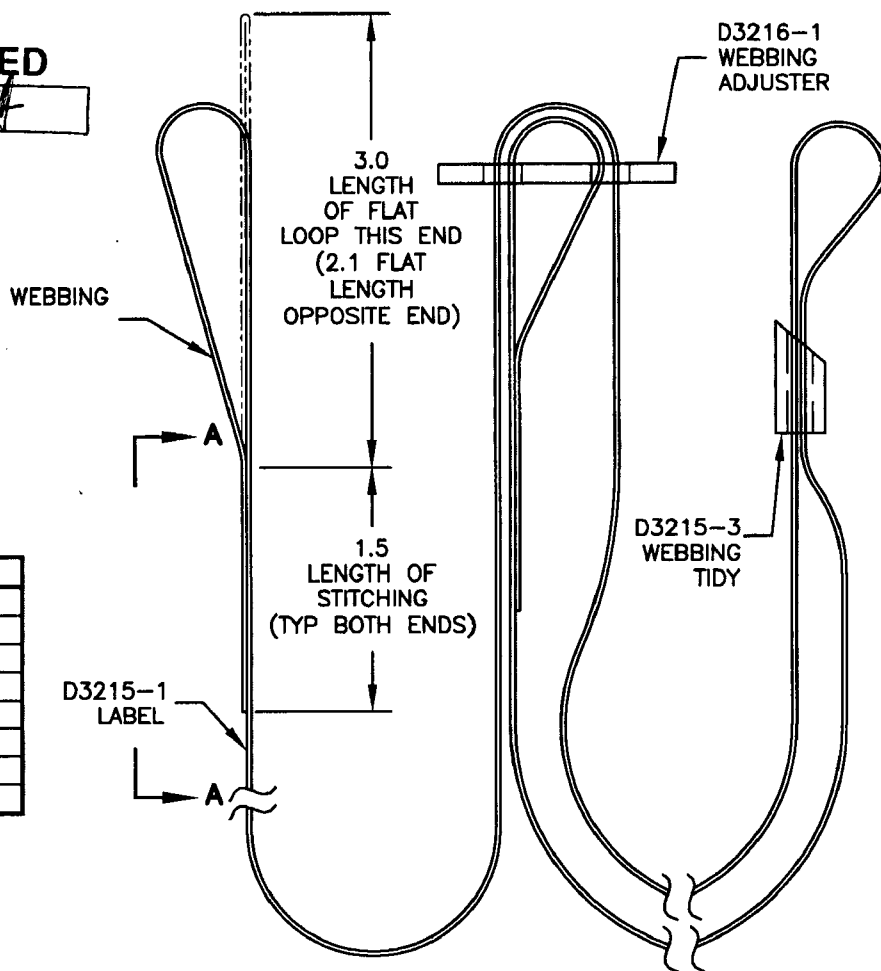
DESIGN <i>GP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3215	REV. D SHEET 1 OF 3
DATE 07.03.27	TITLE BELT ASSEMBLY SCALE NTS		
A	03.09.19	NEW ISSUE	
B	04.01.12	AS MANUFACTURED; ADD TOLERANCE	
C	04.03.05	REDUCE LENGTH; CLARIFY STITCHING	
D	07.03.27	ADD WEBBING SUPPLIER; ADD LABEL THREAD AND MATERIAL; IN VIEW A-A, 1.4 WAS 1.8; ADD -3A AND -3B; UPDATE TOLERANCES	



ASSEMBLY DETAIL  
NOT TO SCALE

PARTS LIST:

QTY	P/N	DESCRIPTION
X	D3215-041	BELT ASSEMBLY
AS REQ'D	SEE NOTE 1	WEBBING
AS REQ'D	SEE NOTE 1	WEBBING THREAD
AS REQ'D	SEE NOTE 1	LABEL THREAD
1	D3215-1	LABEL
1	D3215-3	WEBBING TIDY
1	D3216-1	WEBBING ADJUSTER



**D3215-041 BELT ASSEMBLY:**

- 1) MATERIAL: WEBBING = LAGRAN CANADA INC. 26472, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 5700 lb MIN  
OR  
BELT TECH CANADA INC. 27039, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 6000 lb MIN

WEBBING THREAD = V-T-295 TYPE II CLASS A SIZE 3, BLACK NYLON THREAD  
LABEL THREAD = V-T-295 TYPE II CLASS A SIZE F, BLACK NYLON THREAD

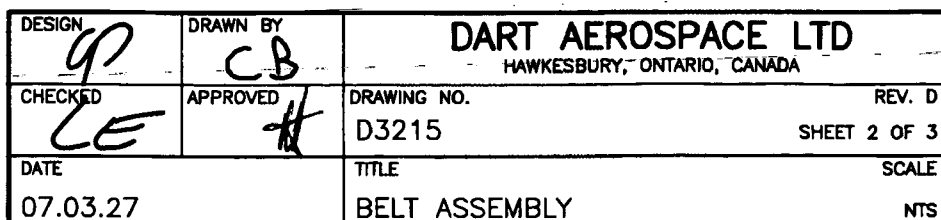
- 2) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 4) SEE SHEET 3 FOR VIEW A-A




RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO 120559  
MJS  
14-06-05

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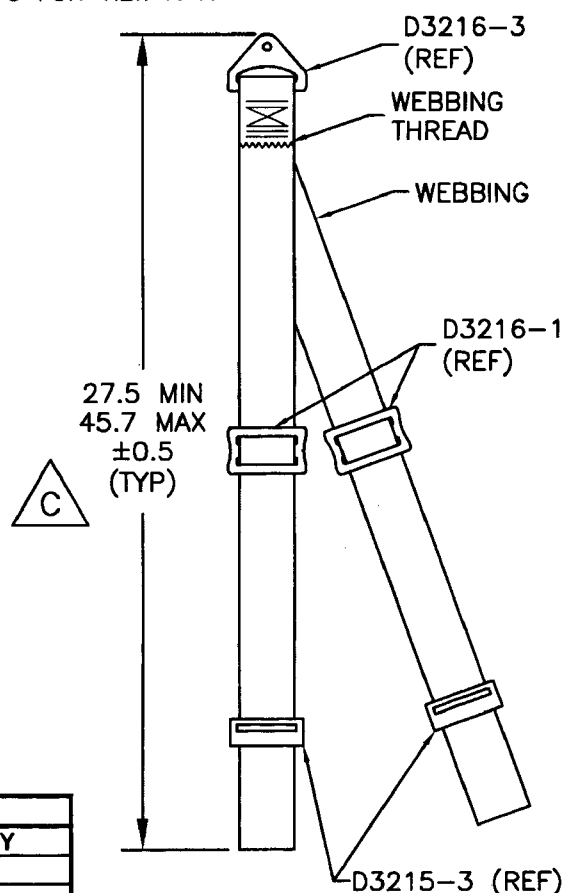
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- 1) MATERIAL:  
WEBBING = LAGRAN CANADA INC. 26472, 1.8 WIDE  
x 0.05 THICK BLACK POLYESTER WEBBING,  
CERTIFIED TO FAR 29.853A3, TENSILE  
STRENGTH 5700 lb MIN  
OR BELT TECH CANADA INC. 27039, 1.8 WIDE  
x 0.05 THICK BLACK POLYESTER WEBBING,  
CERTIFIED TO FAR 29.853A3, TENSILE  
STRENGTH 6000 lb MIN  
WEBBING THREAD = V-T-295 TYPE II CLASS A SIZE 3,  
BLACK NYLON THREAD  
LABEL THREAD = V-T-295 TYPE II CLASS A SIZE F,  
BLACK NYLON THREAD
- 2) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE  
NOTED.
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS  
OTHERWISE NOTED.
- 4) SEE SHEET 3 FOR VIEW A-A

**RELEASED**

07.06.07



**ASSEMBLY DETAIL**  
**NOT TO SCALE**

PARTS LIST:		
QTY	P/N	DESCRIPTION
X	D3215-043	BELT ASSEMBLY
AS REQ'D	SEE NOTE 1	WEBBING
AS REQ'D	SEE NOTE 1	WEBBING THREAD
AS REQ'D	SEE NOTE 1	LABEL THREAD
1	D3215-1	LABEL
2	D3215-3	WEBBING TIDY
2	D3216-1	WEBBING ADJUSTER

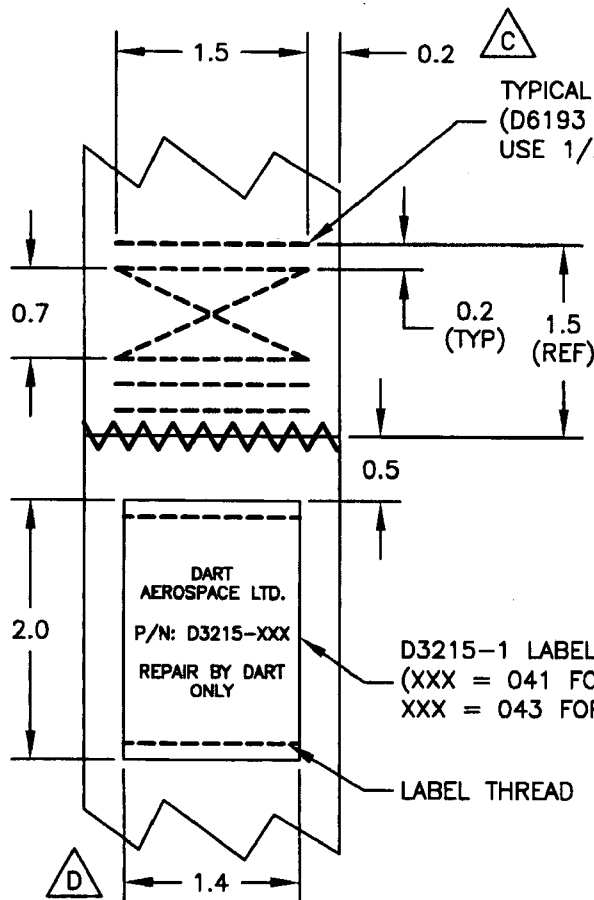
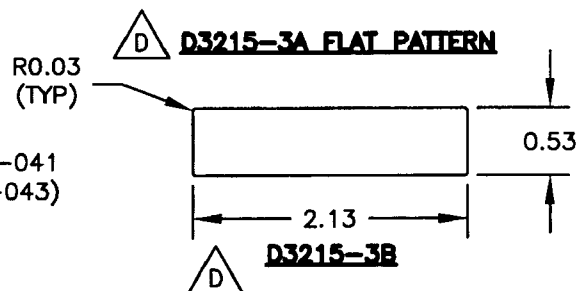
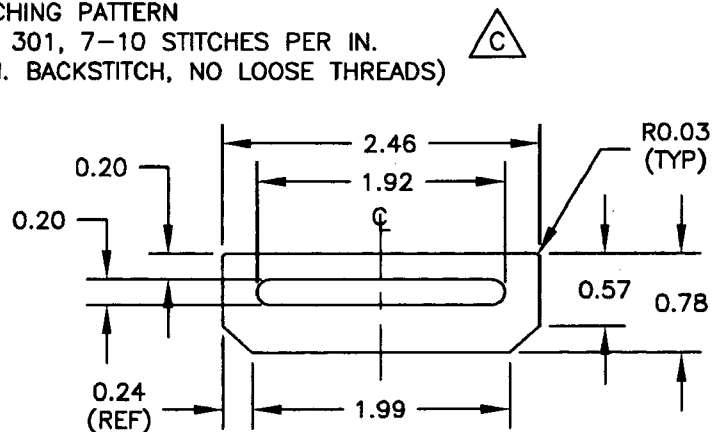
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**DART**

DESIGN <i>GP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3215	REV. D SHEET 3 OF 3
DATE 07.03.27		TITLE HARNESS ASSEMBLY	SCALE 3:2

**VIEW A-A****D3215-3A/-3B NOTES:**

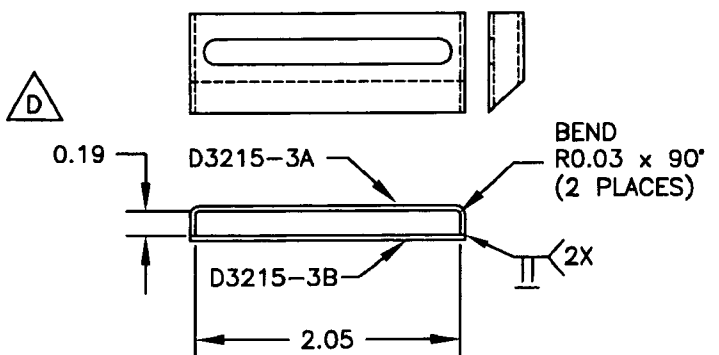
- 1) MATERIAL: 5052-H32 ALUMINUM SHEET, 0.040 THICK PER QQ-A-250/8 OR AMS 4016 (REF DART SPEC. M5052H32S.040)
- 2) BEND D3215-3A PER D3215-3

**D3215-1 LABEL:**

- 1) MATERIAL: WHITE TYVEK OR WHITE POLYESTER WHICH MEETS FMVSS 302
- 2) USE 1/8 BLACK LETTERING
- 3) CENTER ON BELT WIDTH

**RELEASED**07.06.07 *[Signature]***GENERAL NOTES:**

- 1) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

**D3215-3 WEBBING TIDY****D3215-3 NOTES:**

- 1) WELD PER DART QSI 004
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT BLACK SANDEX (4.3.5.7)  
PER DART QSI 005 4.3

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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO24619**

Purchase Order Date 6/16/2014

PO Print Date 6/16/2014

Page Number 1 of 2

**Order From :**

VC-TUL001

TULMAR SAFETY SYSTEMS  
1123 CAMERON ST  
HAWKESBURY, ON K6A 2B8  
CA

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAKED**  
CS 14/06/17

**Contact Name**

**Vendor Phone** 613 632 1282

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D3215-043P  AS PER DWG D3215 REV. D B120559	Harness Assembly	7/4/2014 Yes 7/4/2014		4.00 Each	\$30.95	\$123.80
Line Total:							\$123.80
2	71401-45	PROCUREMENT QUALITY CLAUSES	7/4/2014  No 7/4/2014		1.00	\$0.00	\$0.00
Procurement Quality Clauses							
A004 faa-pma/tso							
A005 right of entry							
A007 first article inspection (fai)							
A016 personnel qualification							
A026 certification of material conformance							
* A027 flammability test n/y 8/14/06/17							
A040 notification of quality escape							
A041 quality management system							
* A043 retention of quality document n/y 8/14/06/17							

Note:

6/16/2014

# PACKING SLIP

# TULMAR

Tulmar Safety Systems Inc.  
1123 Cameron Street  
Hawkesbury, ON K6A 2B8 CA  
Tel: 613-632-1282  
Fax: 613-632-2030  
MID : XOTULSAF1123HAW  
email: info@tulmar.com

Packing Slip No.

**52188**

Ship Date

19-Jun-14

Bill To:

**Dart Aerospace**  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7. Canada

Ship to:

**Dart Aerospace**  
1270 Aberdeen Street  
Tel: 613-632-9577  
Att: Chantal Lavoie  
Hawkesbury, ON K6A 1K7. Canada

Order number	Sales order date	Account number	Account manager
32032	17-Jun-14	CDART100	Helena Vandeweerd
PO number	Ship Via	Shipping Terms	
PO24619	Pick-Up	FOB HAWKESBURY	
Item No	Quantity ordered	UOM	Qty Shipped/Returned
Description			Quantity on back order

8938

4

EA

4

Belt Ass'y, 1/2" wide, black Webbing

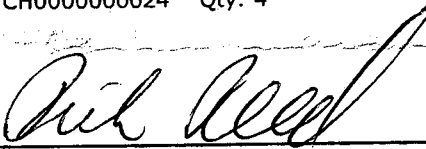
Drawing No: D3215 (P/N D3215-043)

DWG Rev: D

QA: A004 A005 A007 A016 A026 A040 A041

Lot No: BATCH0000000024 Qty: 4

Shipper



Date:

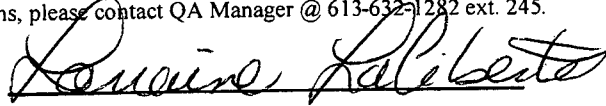
**JUN 19 2014**

## Certificate of Conformance

☒ See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.  
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector



Date:

**JUN 19 2014**

## Certificate of Compliance No : 56 412

Pattern : 27039

Width : 47.000

Dye lot No : 432674

Color : CG008 BLACK

Meters : 6 728.00

Warp Order :

Customer : TULMAR SAFETY SYSTEMS

Test Date : 2010/10/22

Nissan

Legend : Y = Good - Pass  
N = Fail

Customer Part Number 18440 - 00

Test Method	Date	Type of Test	Min. Spec.	Max. Spec.	Median	Test 1	Test 2	Test 3
FMVSS 209	2009/10/01	Width - no load (mm)	46.000	48.000	47.930	47.840	47.970	47.930 Y
SAE J 882	2007/09/01	Thickness - original (mm)	1.140	1.400	1.175	1.185	1.175	1.175 Y
ASTM D-3775	2008/07/01	Picks per cm	7.000		7.200	7.200	7.200	7.200 Y
FMVSS 209	2009/10/01	Elongation - @ 11.1 kn load (%)		20.000	6.310	6.310	6.120	6.640 Y
FMVSS 209	2009/10/01	Tensile - original (lbs)	6,700.000		7,167.000	7,167.000	7,086.000	7,182.000 Y
FMVSS 209	2009/10/01	Tensile - hex-bar % of original	75.000		91.700	91.500	91.900	91.700 Y
AATCC TM 8	2007/01/01	Crocking "wet"	3.000		4.000	4.000	4.000	4.000 Y
AATCC TM 8	2007/01/01	Crocking "dry"	3.000		4.500	4.500	4.500	4.500 Y
AATCC TM 107	2009/01/01	Dye stability (staining) *	3.000		4.500	4.500	4.500	4.500 Y

Specification(s) :

FMVSS 209 revised on 2008-10-01

FMVSS 302 revised on 2008-10-01

Comment(s)

This is to certify that this product conforms to the specification(s) mentioned above and the requirement(s) outlined in the

Purchase Order # and was tested at  $22 \pm 3^{\circ}\text{C}$  temperature and 45-55 % relative humidity.

Not applicable for downgraded (second) material

If this document is not signed, it is to be regarded as a non-controlled version

Tested by :

Approved by :

4.10-1403E (2010-03-31)

C/c's used For P/O D3215-043

Rev.D

Lancie L June 19/14

TSS # 2281/12 (S)

# Belt-Tech Products Inc.

Certificate of Compliance No : 56 412

Page : 1 de 1

Date : 2010-10-22

Time : 13:31:04

Pattern : 27039

Width : 47.000

Dye lot No : 432674

Color : CG008 BLACK

Meters : 6 728.00

Warp Order :

Customer : TULMAR SAFETY SYSTEMS

Test Date : 2010/10/22

Nissan

Legend : Y = Good - Pass  
N = Fail

Customer Part Number 18440-00

Test Method	Date	Type of Test	Min. Spec.	Max. Spec.	Median	Test 1	Test 2	Test 3
FMVSS 209	2009/10/01	Width - no load (mm)	46.000	48.000	47.930	47.840	47.970	47.930 Y
SAE J 882	2007/09/01	Thickness - original (mm)	1.140	1.400	1.175	1.185	1.175	1.175 Y
ASTM D-3775	2008/07/01	Picks per cm	7.000		7.200	7.200	7.200	7.200 Y
FMVSS 209	2009/10/01	Elongation - @ 11.1 kn load (%)		20.000	6.310	6.310	6.120	6.640 Y
FMVSS 209	2009/10/01	Tensile - original (lbs)	6,700.000		7,167.000	7,167.000	7,086.000	7,182.000 Y
FMVSS 209	2009/10/01	Tensile - hex-bar % of original	75.000		91.700	91.500	91.900	91.700 Y
AATCC TM 8	2007/01/01	Crocking "wet"	3.000		4.000	4.000	4.000	4.000 Y
AATCC TM 8	2007/01/01	Crocking "dry"	3.000		4.500	4.500	4.500	4.500 Y
AATCC TM 107	2009/01/01	Dye stability (staining)	3.000		4.500	4.500	4.500	4.500 Y

Specification(s) : FMVSS 209 revised on 2008-10-01

FMVSS 302 revised on 2008-10-01

Comment(s)

This is to certify that this product conforms to the specification(s) mentioned above and the requirement(s) outlined in the Purchase Order # and was tested at  $22 \pm 3^{\circ}\text{C}$  temperature and 45-55 % relative humidity.

Not applicable for downgraded (second) material

If this document is not signed, it is to be regarded as a non-controlled version

Tested by :

Approved by :

4.10-1403E (2010-03-31)

BS 2281/12 (S)



# cansew inc.

formerly / anciennement  
Canadian Sewing Supply Ltd. / Ltée - established / établie 1924

Manufacturers of sewing threads. / Wholesalers of elastics, Velcro, tapes, trimmings.  
Fabricants de fils à coudre. / Grossistes d'élastiques, Velcro, galons, garnitures.

20 October 2008

Tulmar Safety Systems  
1123 Cameron Street  
Hawksbury, Ontario  
K6A 2B8

Att. Sandra Nadeau

## CERTIFICATE OF COMPLIANCE


This is to certify that the items mentioned below, shipped to Tulmar Safety Systems by CANSEW INC. on 20 October 2008, have been produced in accordance with the requirements of Purchase Order no. 14929-00 of the same date:

-Bonded Nylon CBB92 - 35.18 lb, colour OG-107, lot # 748348, meeting the requirements of specification V-T-295, Type 2, Class A, Size F

✕ -Bonded Nylon CB207 - 19.96 lb, colour black, lot # 656160, meeting the requirements of specification V-T-295, Type 2, Class A, Size 3, 3 ply

Yours truly,

for:

  
Hershie Schachter  
CANSEW INC.

**MONTREAL - Head Office/Siège social**  
111 Chabanel W/O H2N 1C9  
Administration (514) 382-2807  
Commandes/Orders (514) 382-2801  
1-800-361-7722  
FAX: (514) 385-5530

**TORONTO**  
28 Apex Rd. M6A 2V2  
(416) 782-1122  
1-800-387-8584  
FAX: (416) 782-8358

**WINNIPEG**  
1674 Church Ave R2X 2W9  
(204) 942-4264  
1-800-665-0701  
FAX: (204) 947-9280

**CALGARY**  
3932 - 29th St. N.E. T1Y 6B6  
(403) 291-4494  
1-800-667-4197  
FAX: (403) 291-5139

**VANCOUVER**  
1615 Venables St. V5L 2H1  
(604) 682-4341  
1-800-580-0737  
FAX: (604) 682-4196

info@cansew.ca

www.cansew.ca

TSS # 2525/42

(S)

**EDDINGTON THREAD MFG. COMPANY**

**3222 KNIGHTS ROAD**

**P O BOX 446**

**BENSALEM, PA 19020**

**VOICE 215-639-8900**

**FAX 215-639-1420**

7m25001-001

**CERTIFICATE OF COMPLIANCE**

**Customer Name:** TULMAR MANUFACTURING, INC

I hereby certify that on : 7/1/2010

the Eddington Thread Mfg. Company

provided the supplies called for in Accordance with all applicable requirements for shipment.

I further certify that the supplies are of the quality specified and are in all respect in conformance with the contract requirements, including specifications and/or drawings, preservations, packaging, packing and marking requirements.

This certifies that the products were manufactured in the United States and Fully comply with the provisions of the Berry Amendment (10 U.S.C 2533a) as implemented by DFARS 225.7000 - 225.7002-I. Additionally, they also apply where applicable with the Buy American Act - Supplies, 52.225-I as prescribed in 25.II0I(a)(I); 41 U.S.C. 10a - 10d.

**PHYSICAL ITEM DESCRIPTION:** F NYLON BONDED BLACK 1111 T/II C/A AA-59826  
1LB KS TM25001-001 TR350

**GROSS WEIGHT:** 11.9 LBS

**NET WEIGHT:** 10.2 LBS

**UNITS/GROSS:** 10

**PURCHASE NO.:** 288-00

**LOT#:** 51484/2536

**CONTRACT:**

**RELEASE#:**

Re: Berry Amendment / Buy American Act - Supplies

**DATE OF MANUFACTURE:** 06/10

Shelf Life: Indefinite

Date of Execution: 7/1/2010

Signature: \_\_\_\_\_

**S. JAMES LOVENSTEIN**

Title: General Manager

TSS 2530/52

EDDINGTON THREAD MFG CO  
3222 KNIGHTS ROAD  
BENSALEM, PA 19020

CUSTOMER: TULMAR MANUFACTURING, INC. P.O. 288-00

1LB KS TR-350  
TM25001-001

PRODUCT THREAD NYLON  
SIZE F  
TYPE T/II  
CLASS C/A  
SHADE BLACK 1111

THIS PRODUCT WAS MADE IN THE USA.

SPECIFICATION: VT-295E 1 AUGUST 1985  
TEST COMPLETED 06/10  
INVOICE NO  
DATED 7/1/2010

IDENTIFICATION AND QUANTITY  
TESTS, UNIT OF MEASURE

LOT 51484/2536

10 KINGSPOLS WEIGHING 10.2 POUNDS

RESULTS

REQUIREMENTS

NYLON YARN:

IDENTIFICATION	PASS	PASS	PASS	PASS	T/6,6 NYLON
MELTING POINT	PASS	PASS	PASS	PASS	GREATER THAN 245 DEGREES CENTIGRADE
BRIGHT	PASS	PASS	PASS	PASS	
CONTINUOUS FILAMENT	PASS	PASS	PASS	PASS	
BONDING AGENT COMPOSITION	PASS	PASS	PASS	PASS	
SHADE MATCH	PASS	PASS	PASS	PASS	

COLOR FASTNESS TO	PASS	PASS	PASS	PASS	PASS NO APPRECIABLE CHANGE IN COLOR
LAUNDERING (3 CYCLES)	PASS	PASS	PASS	PASS	
LIGHT	PASS	PASS	PASS	PASS	
WET DRYCLEANING	PASS	PASS	PASS	PASS	
PERSPIRATION	PASS	PASS	PASS	PASS	
WEATHERING	PASS	PASS	PASS	PASS	

CONSTRUCTION	PASS	PASS	PASS	PASS	210/1/4
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DIRECTION OF TWIST

S 'OR' Z - AVERAGE OF 3 SPECIMENS

INITIAL	S	S	S
FINAL	Z	Z	Z

INITIAL TWIST MUST NOT BE LESS THAN  
FINAL TWIST

TWIST (TURNS PER INCH)	13.2S	13.1S	13.2S
INITIAL FINAL	9.1Z	9.1Z	9.3Z

THE FINAL TWIST MINIMUM IS 5.5

NUMBER OF PLIES	PASS	PASS	PASS
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PLIES PASS 4

LENGTH PER POUND IN YARDS	4326.00	4351.00	4326.00
	4368.00	4359.00	4375.00
	4355.00	4351.00	4326.00
	4322.00	4316.00	4331.00
	4321.00	4326.00	4323.00

MINIMUM YARDS 3601  
MAXIMUM YARDS 5200

AVERAGE	4338.40	4340.80	4338.20
---------	---------	---------	---------

BREAKING STRENGTH (POUNDS)	13.77	13.66	13.69
	13.72	13.73	13.63
	13.64	13.67	13.60
	13.70	13.62	13.71
	13.76	13.79	13.65

MINIMUM POUNDS 11.8

AVERAGE	13.72	13.69	13.66
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ELONGATION (PERCENT)	22.25	22.36	22.45
	22.15	22.38	22.95
	22.29	22.64	22.55
	22.71	22.46	22.82
	22.70	22.54	22.41

MAXIMUM PERCENTAGE 26.00%

AVERAGE	22.42	22.48	22.64
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FINISH LIMITATIONS	PASS	PASS	PASS	PASS
WAX FINISH (TYPE IV AND V)	N/A	N/A	N/A	N/A

NON WICKING (CLASS B)	N/A	N/A	N/A	N/A
INSIDE	N/A	N/A	N/A	N/A
OUTSIDE	N/A	N/A	N/A	N/A

COMPOSITION OF PLASTIC TUB	CC	CC	CC	PASS
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I CERTIFY THAT THE TESTS WERE RANDOMLY SELECTED AND REPRESENT THE LOT OF END ITEMS IDENTIFIED ABOVE. I FURTHER CERTIFY THAT THE END ITEMS TENDERED TO TULMAR MANUFACTURING, INC ARE ALL OR PART OF THE LOT OF END ITEMS TESTED HEREIN.

S. JAMES LOVENSTEIN GENERAL MANAGER

I CERTIFY THAT THE ABOVE TESTS WERE PERFORMED UNDER MY SUPERVISION IN ACCORDANCE WITH THE SPECIFICATION TEST REQUIREMENTS AND THAT THE REPORTED TEST RESULTS ARE TRUE VALID AND APPLICABLE TO THE SAMPLES TESTED.

I CERTIFY THAT THE TEST RESULTS REPORTED AS "CC" (CERTIFICATE OF COMPLIANCE) DO COMPLY WITH THE APPLICABLE SPECIFICATIONS AND/OR CONTRACT REQUIREMENTS

DATE OF MANUFACTURE 06/10

LOT 51484/2536

SAMEER PATEL QUALITY ASSURANCE MANAGER

*Patel*

2530/52